

Patent Abstracts of Japan

PUBLICATION NUMBER : 10046475
PUBLICATION DATE : 17-02-98

APPLICATION DATE : 25-07-96
APPLICATION NUMBER : 08196118

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INT.CL. : D06M 15/693 C08J 5/06 D06M 13/11 D06M 15/41

TITLE : TREATMENT OF POLYESTER FIBER

ABSTRACT : PROBLEM TO BE SOLVED: To impart excellent adhesiveness to rubbers to a polyester fiber by one bath method by blending an aromatic polyepoxide compound with a blocked polyisocyanate compound and a resorcine-formalin-rubber latex.

SOLUTION: An aromatic polyepoxide compound A such as glycidyl ether of phenol-formaldehyde resin is blended with a blocked polyisocyanate compound B at (8/2) to (1/9) solid content ratio (WA/WB) and further, the blend is mixed with resorcine-formalin-rubber latex RFL at (4/6) to (1/9) solid content ratio [(WA+WB)/WRFL] and further, a oxazoline group-containing compound is added thereto to prepare a treating agent. The treating agent in an amount of 0.1-10wt.%, preferably 2-7wt.% expressed in terms of solid content is applied to a polyester fiber cord in one bath and the treated fiber cord is dried and heat-treated to increase adhesiveness to rubber.

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